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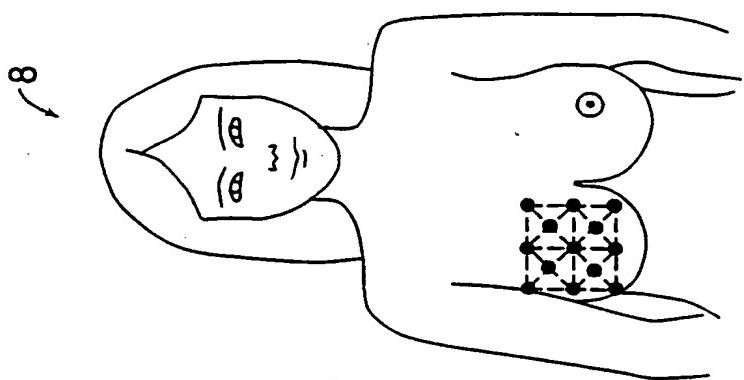


FIG. 1

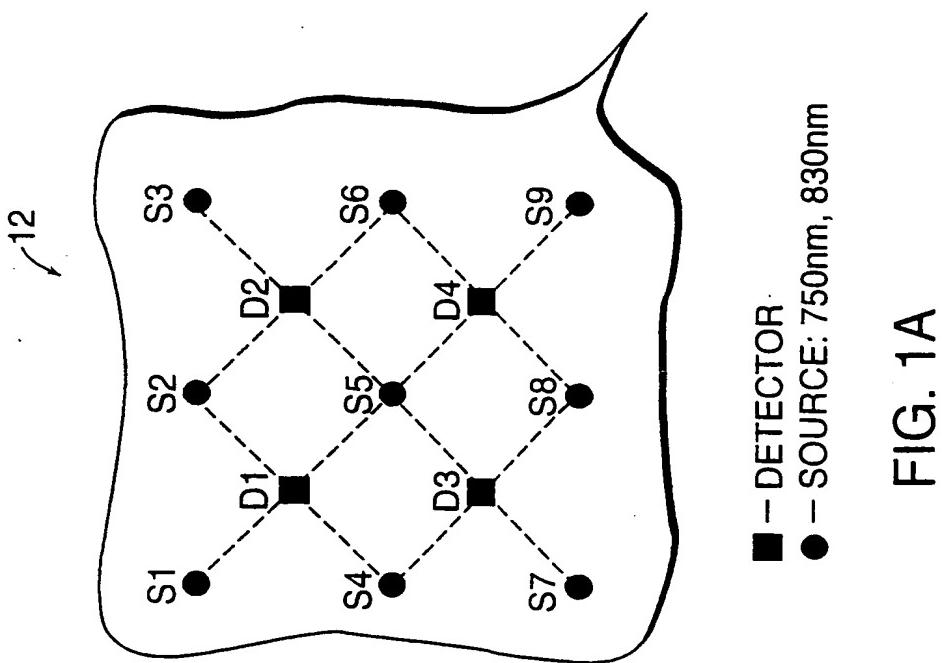


FIG. 1A

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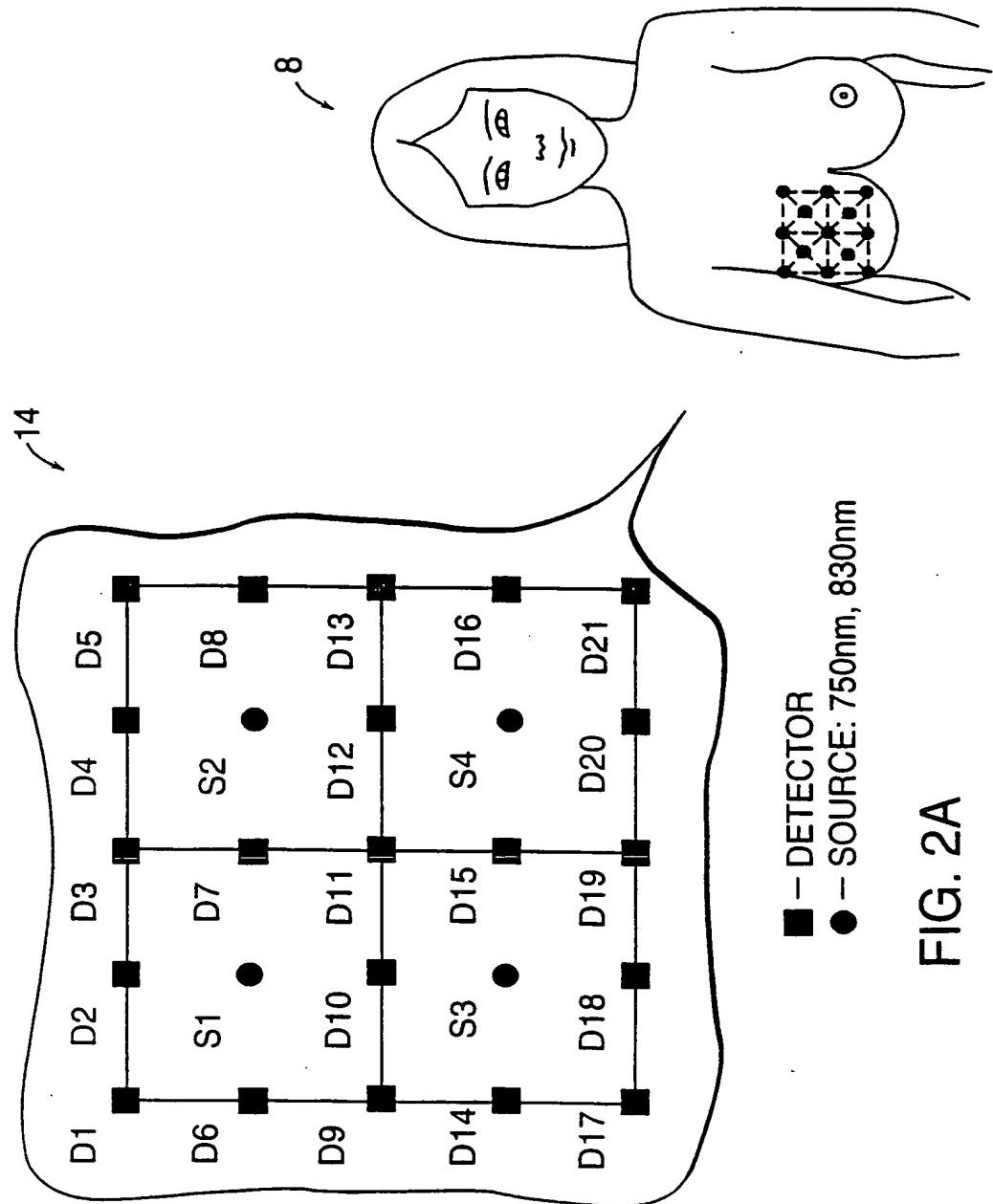


FIG. 2

FIG. 2A

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500 MHZ SINGLE WAVELENGTH PMS/PHASE ARRAY IMAGE SYSTEM

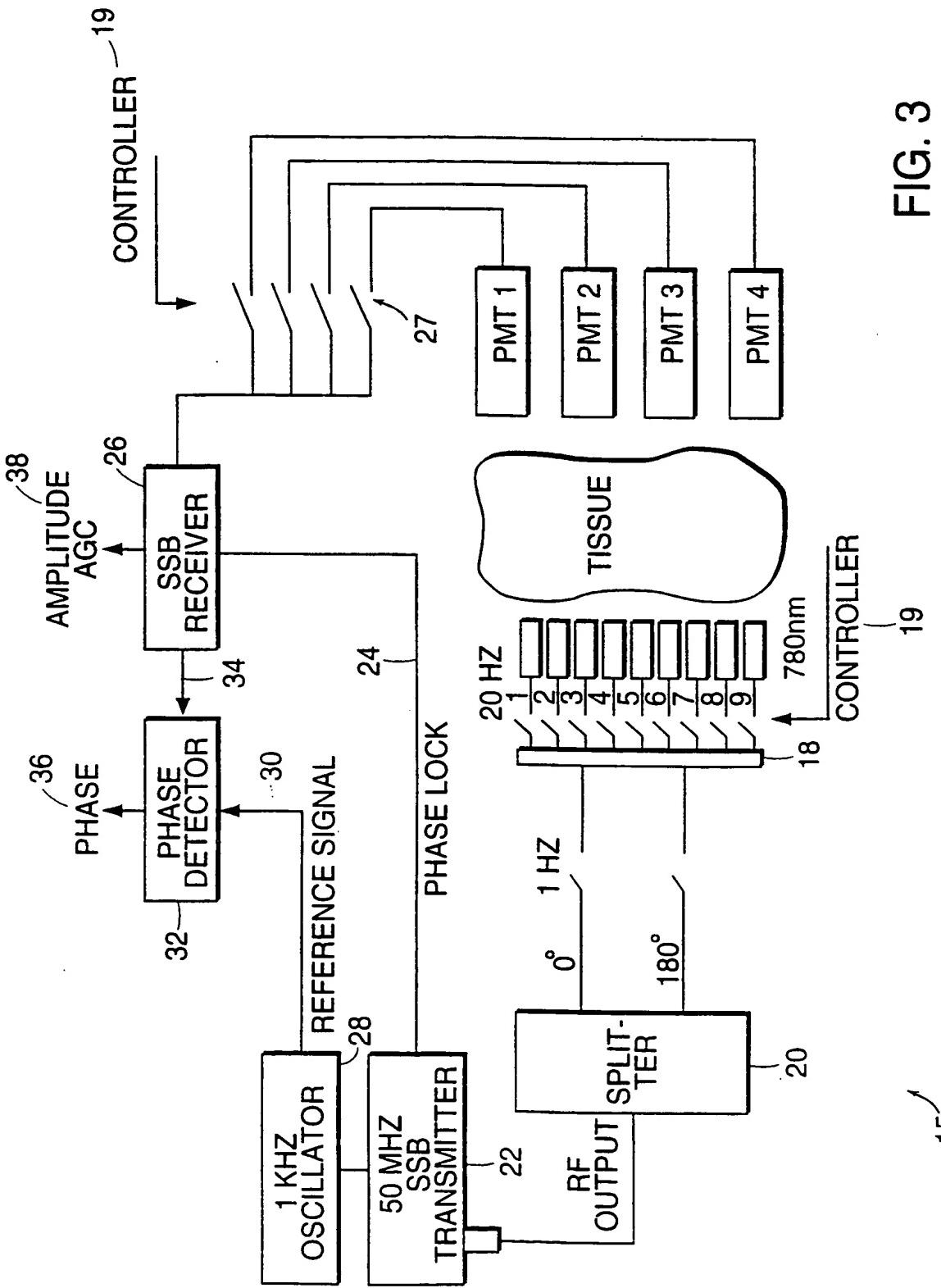
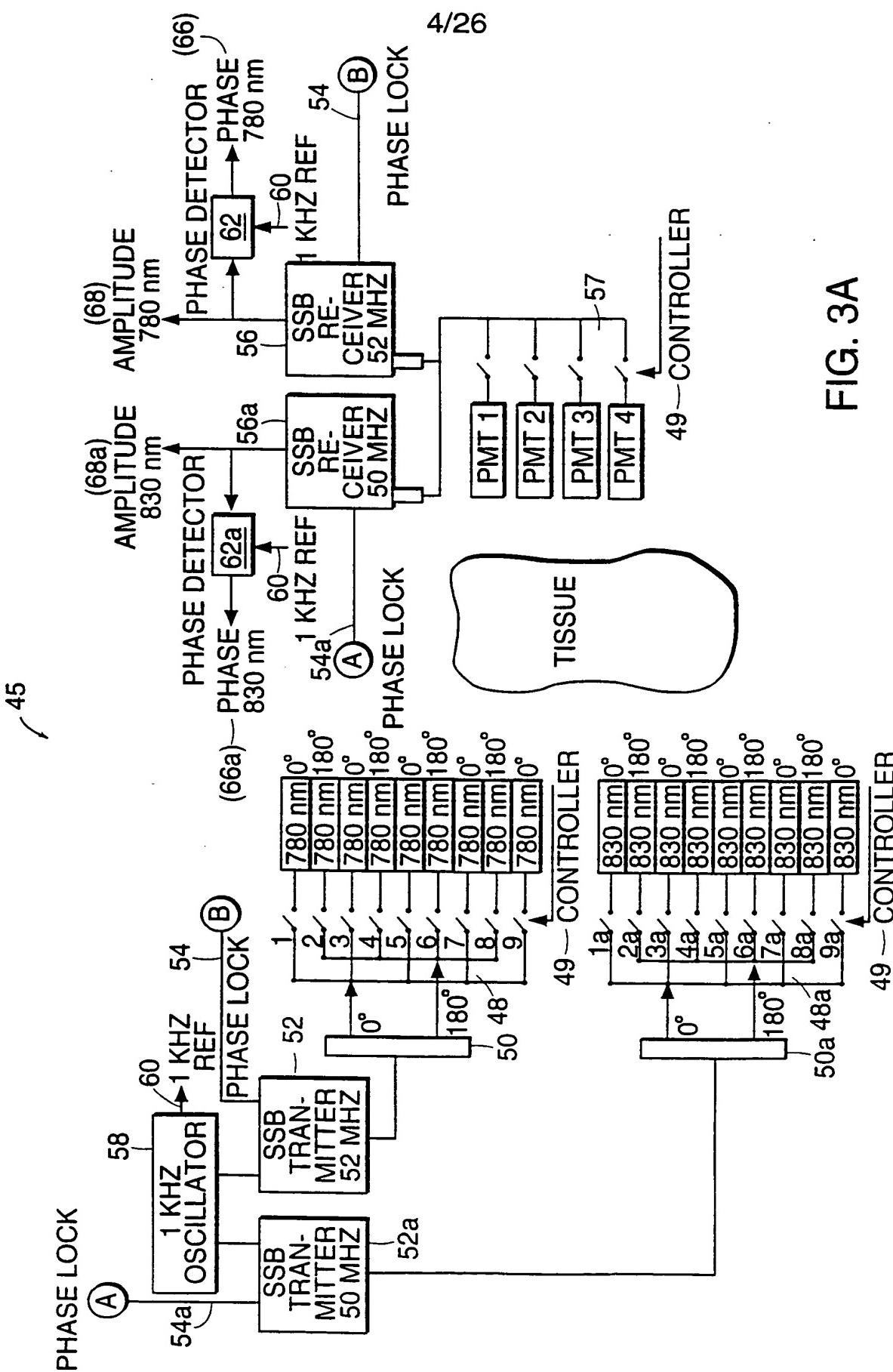


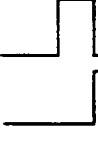
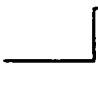
FIG. 3

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SOURCES	DETECTORS
	1, 2, 1a AND 2a
	2, 3, 2a, AND 3a
	4, 5, 4a, AND 5a
	5, 6, 5a, AND 4a
	7, 8, 7a, AND 8a
	8, 9, 8a, AND 9a
	4, 5, 4a, AND 5a
	5, 6, 5a, AND 6a
	7, 8, 7a, AND 8a

40

FIG. 3B

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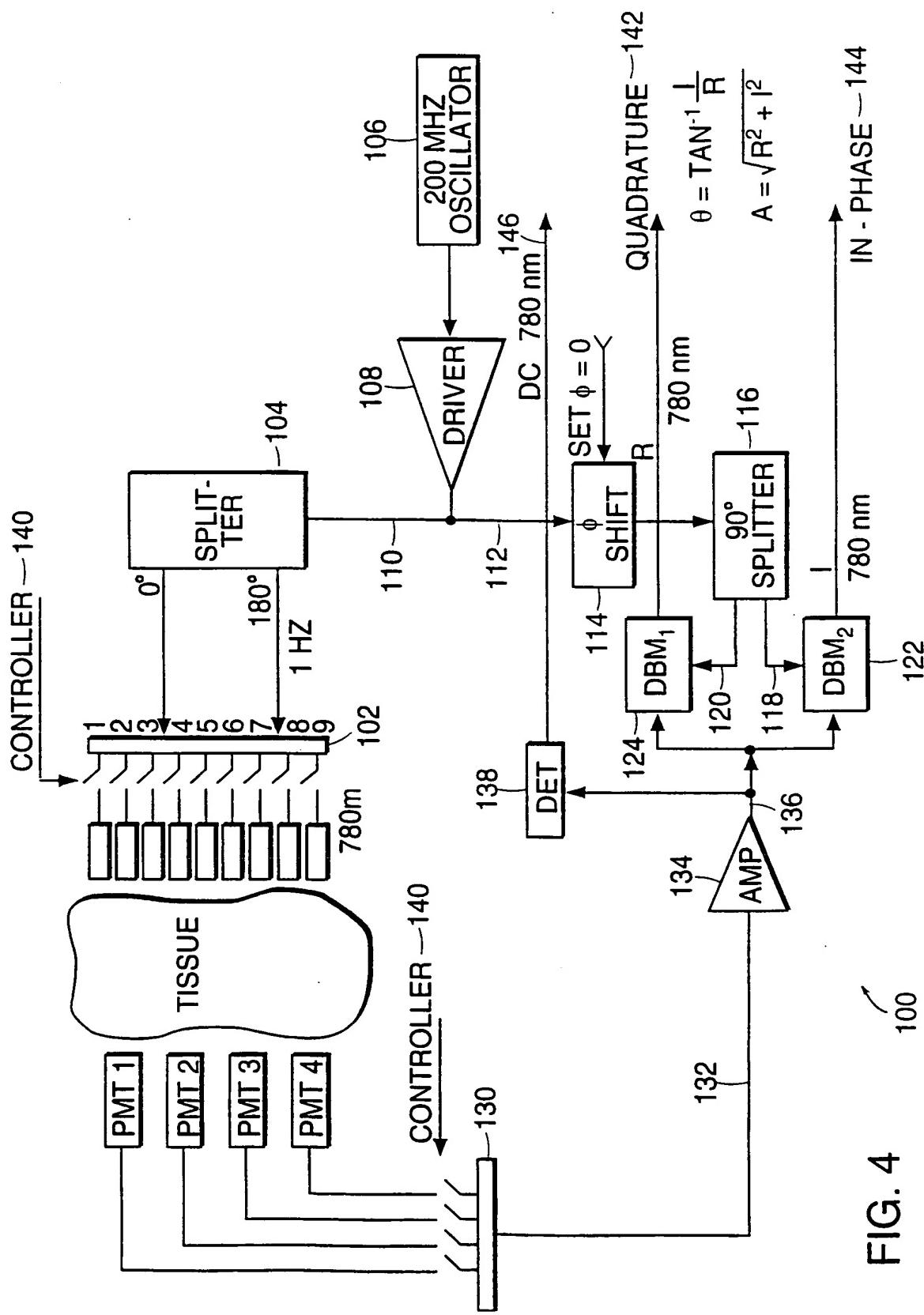
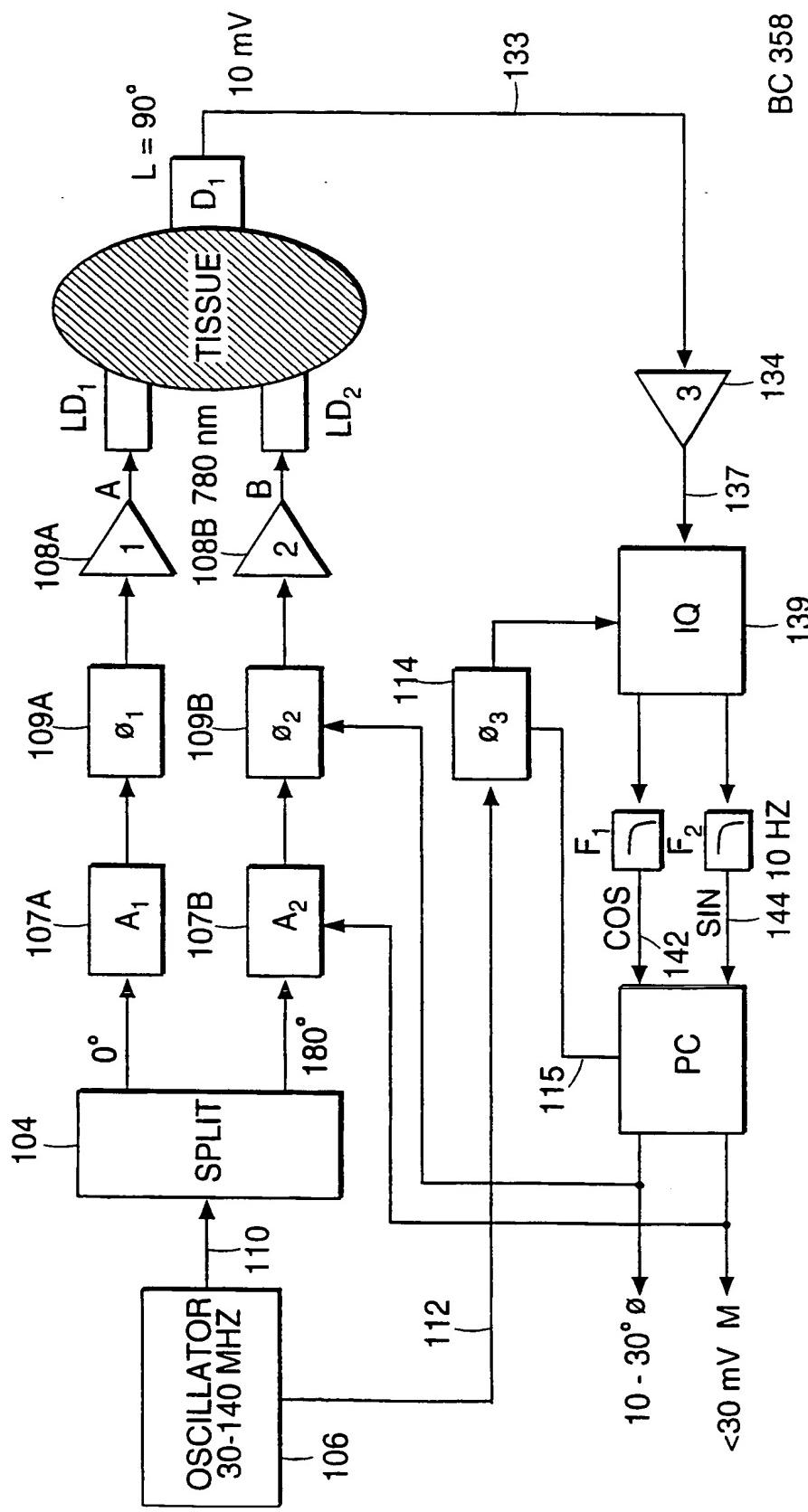


FIG. 4

100

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HOMODYNE PHASE CANCELLATION IMAGER
(ONE 2S ID PART OF IMAGER)

FIG. 4A

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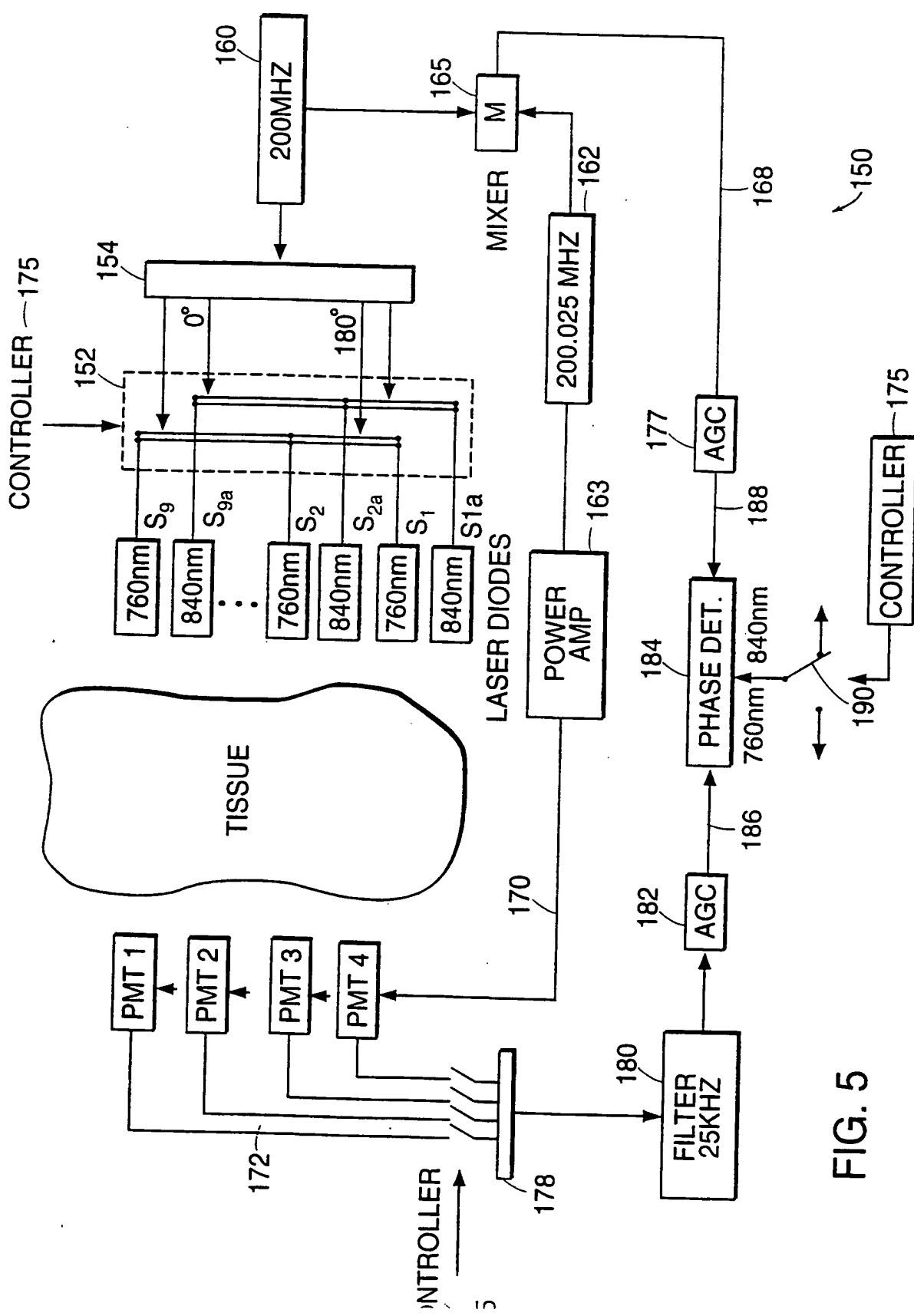


FIG. 5

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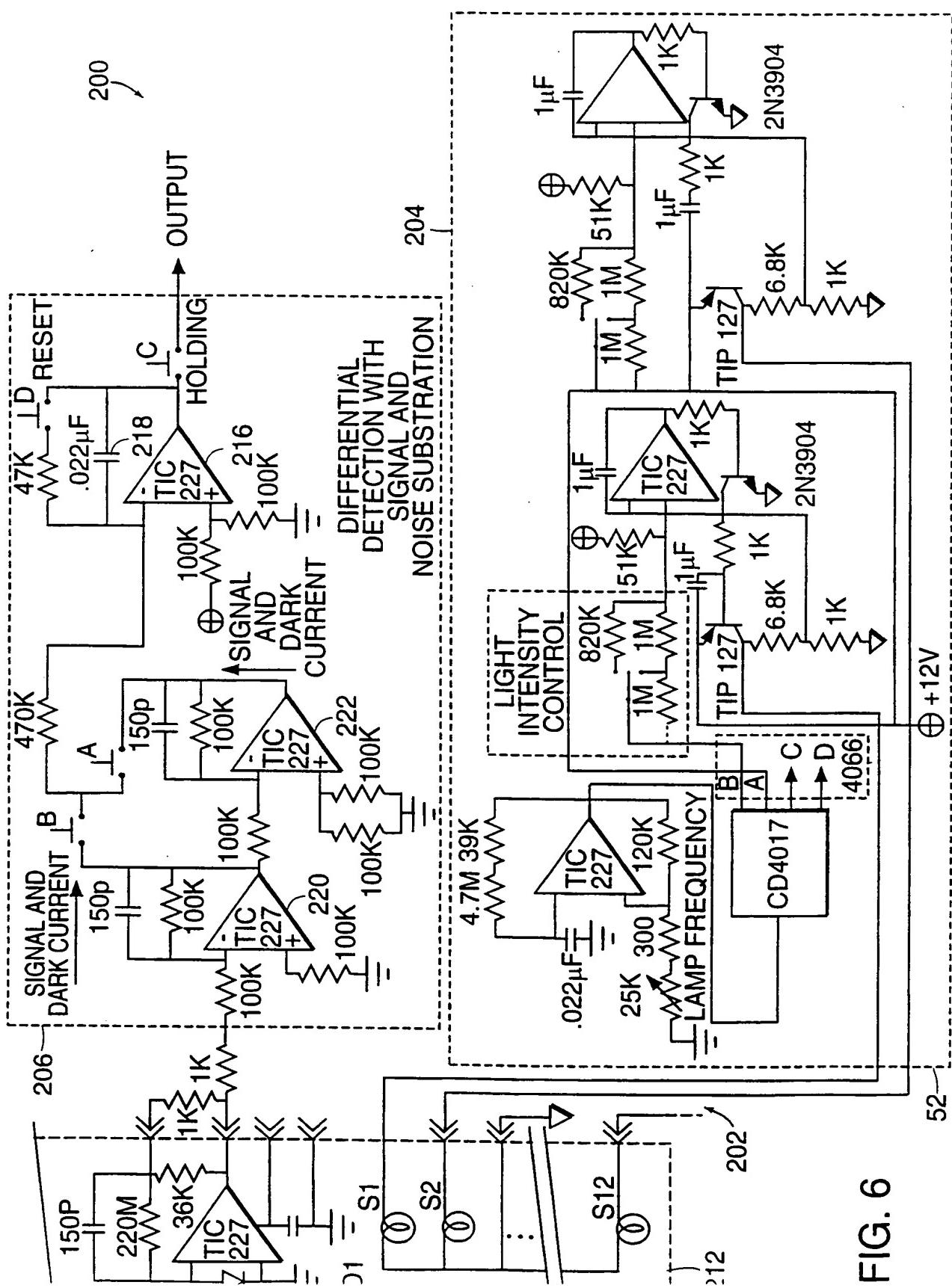


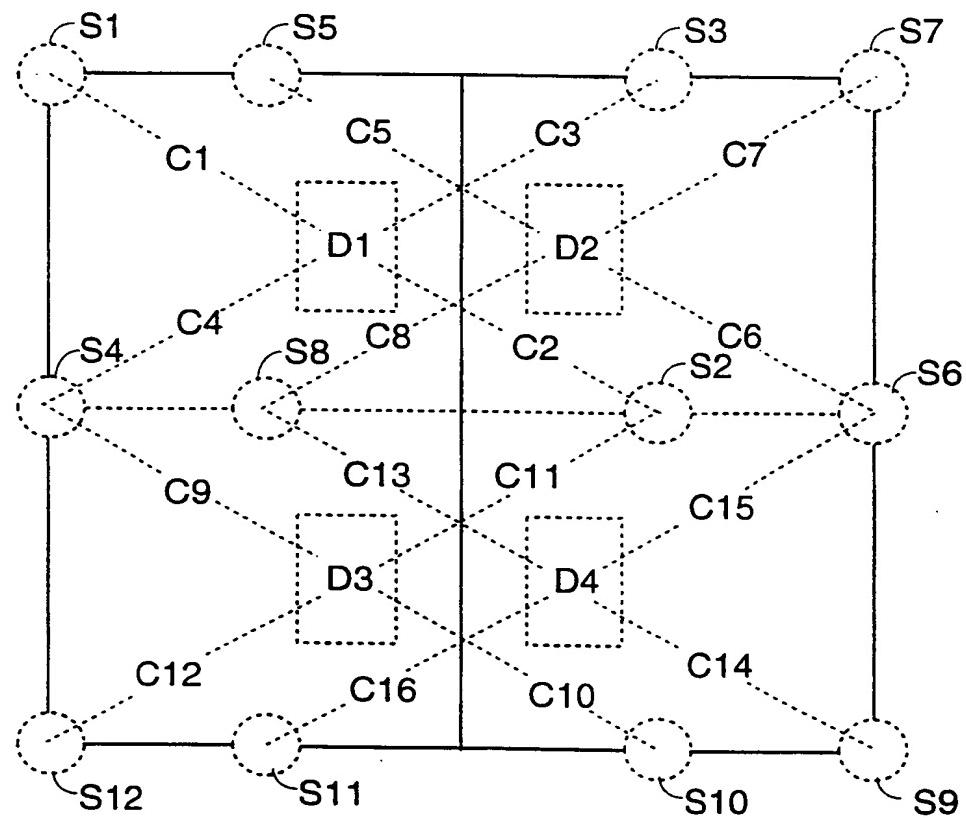
FIG. 6

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FIG. 6A

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AIR COOLED LAMP

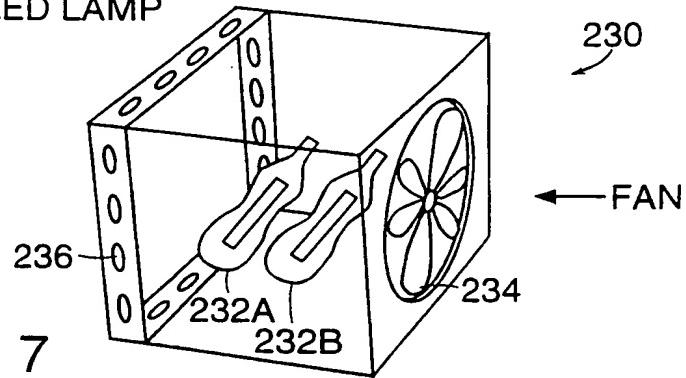


FIG. 7

AIR COOLED LIGHT GUIDE

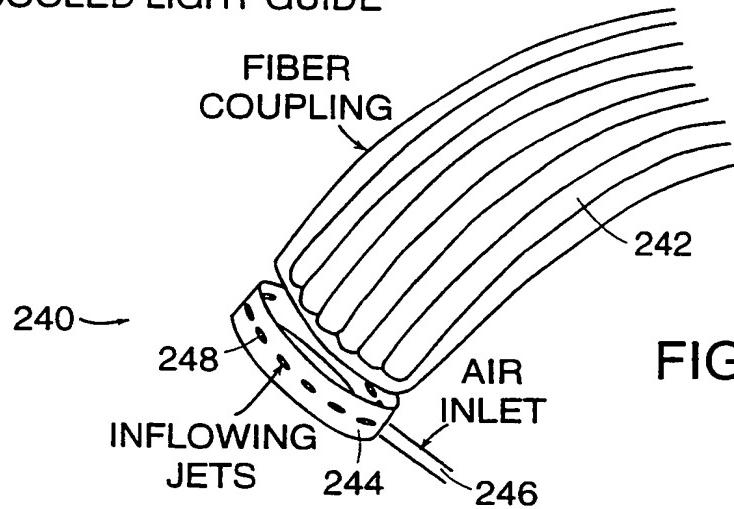


FIG. 7A

AIR COOLED BARRIER

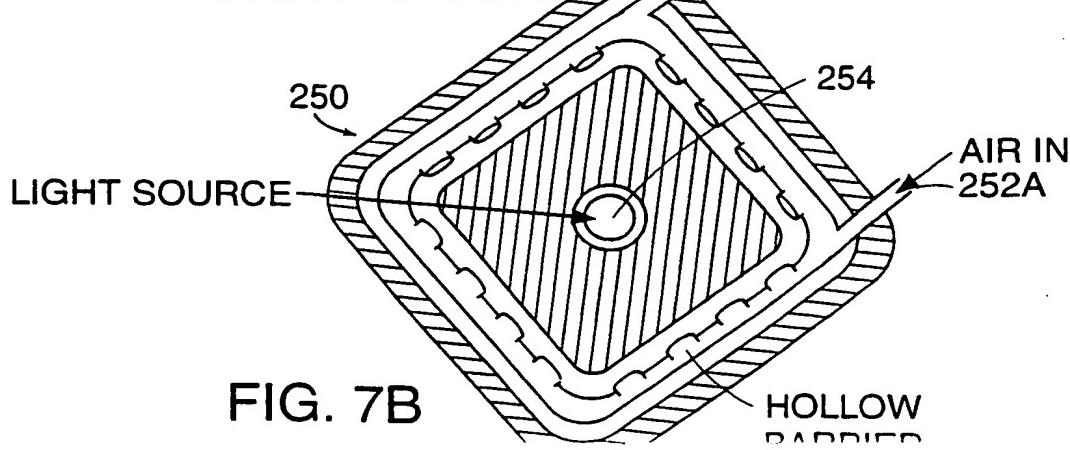


FIG. 7B

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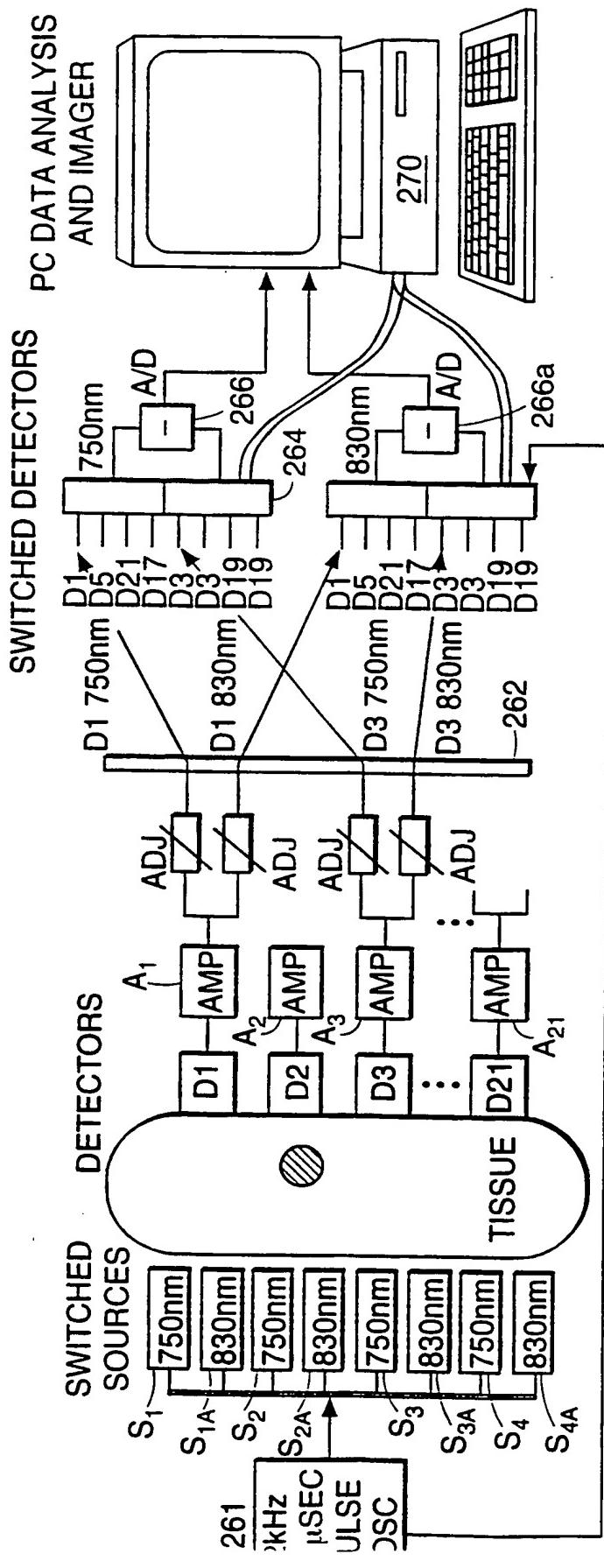
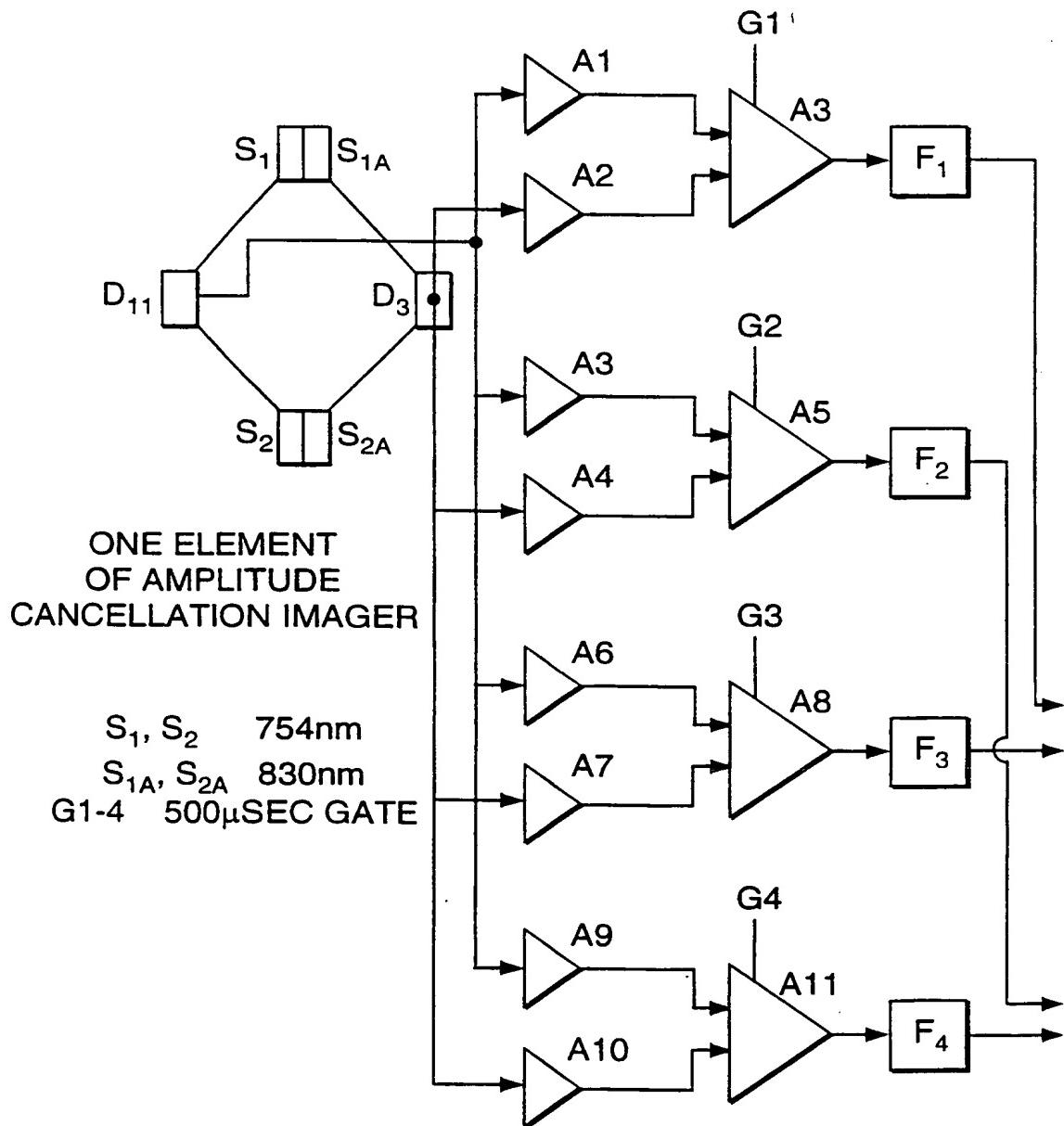


FIG. 8

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**CIRCUIT CONFIGURATION FOR
TIME MULTIPLEX AMPLITUDE CANCELLATION IMAGER**

**FIG. 8A**

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TIME SEQUENCE, S_1, S_2

272

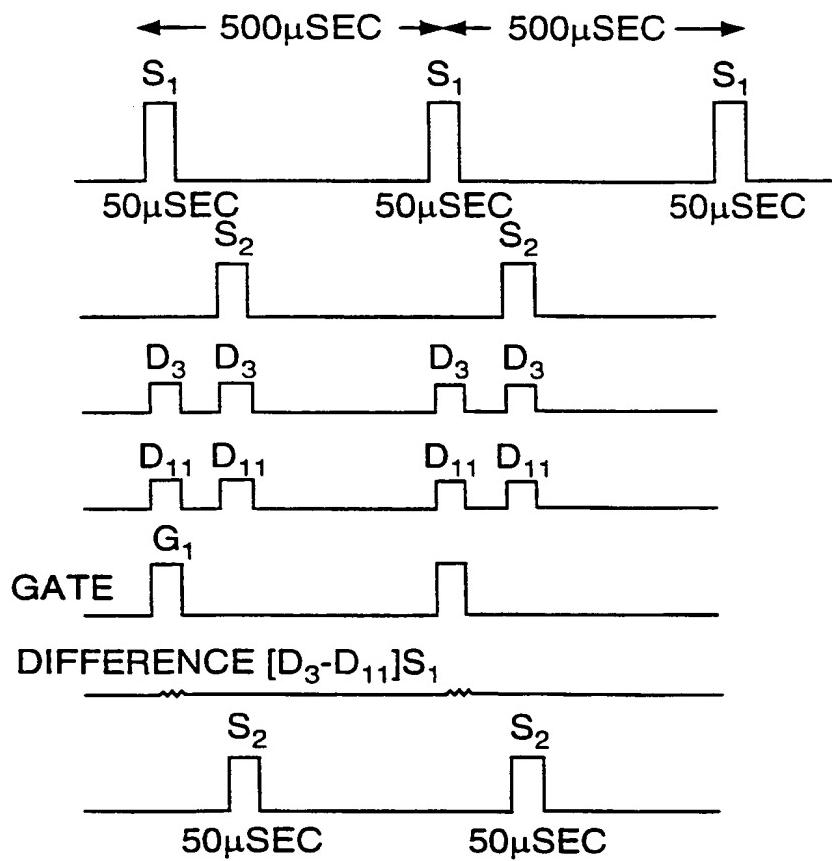


FIG. 8B

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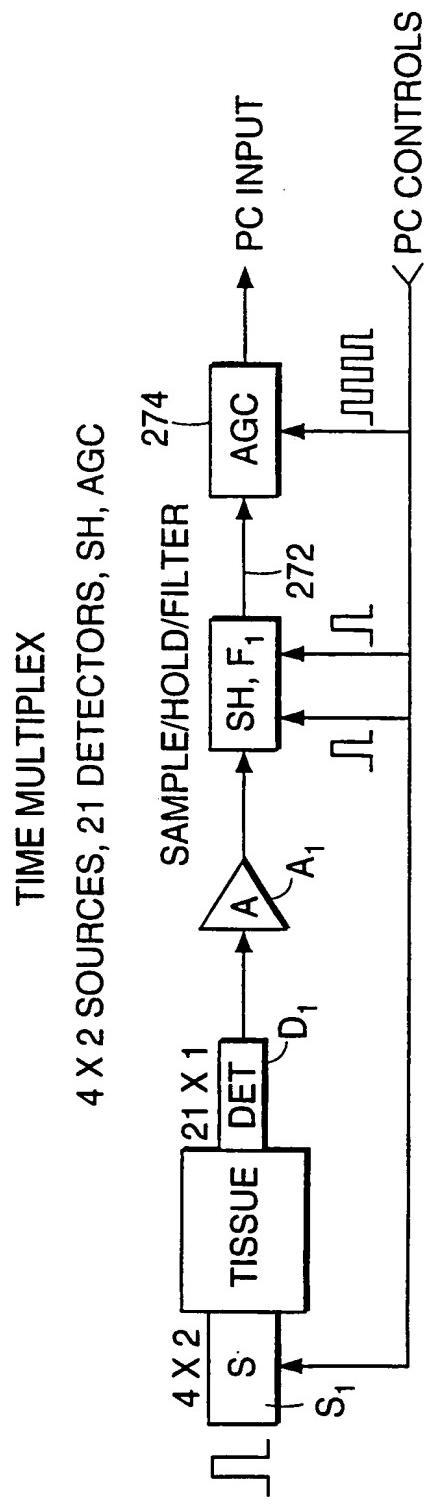


FIG. 8C

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FREQUENCY MULTIPLEX
21 X 2 SOURCES/OSCILLATORS, 4 DETECTORS, 40 FILTERS (HIGH/LOW), 20 AGC, 20 LOCK-IN

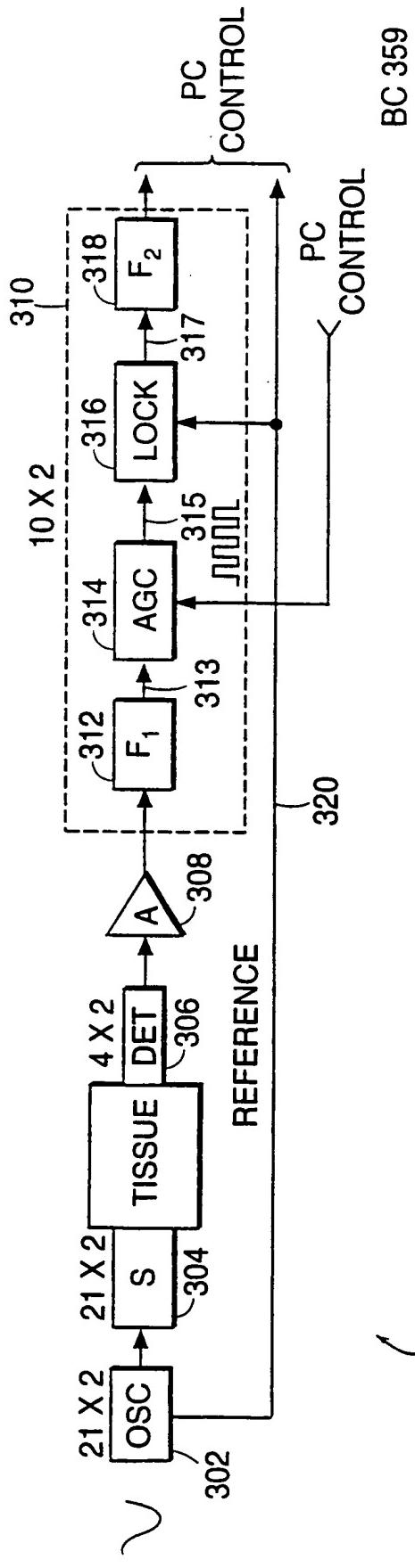
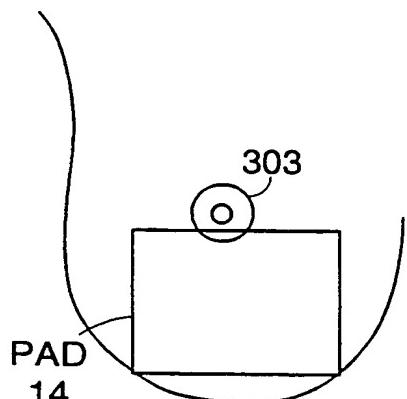


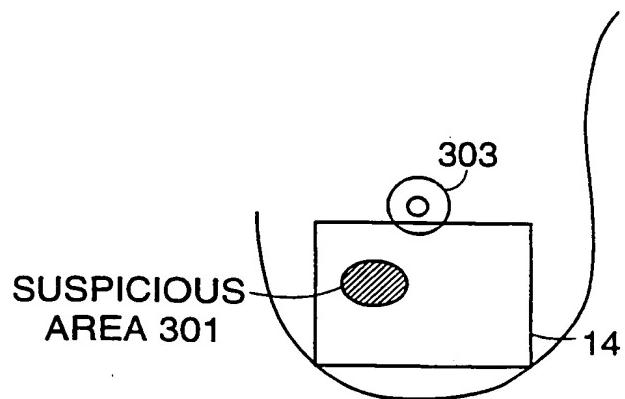
FIG. 8D

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LEFT BREAST

FIG. 9A



RIGHT BREAST

FIG. 9B

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AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST
RIGHT BREAST — MODEL (ER 11/26/97)

750 nm

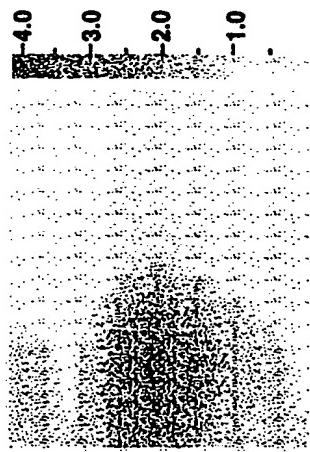


FIG. 10A

830 nm

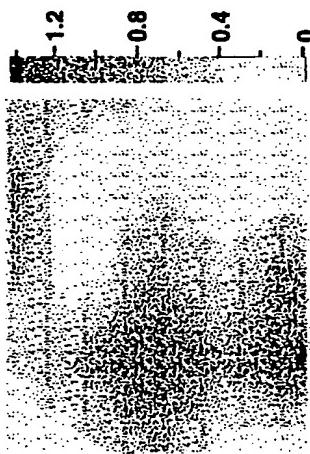


FIG. 10B

750 nm – 830 nm

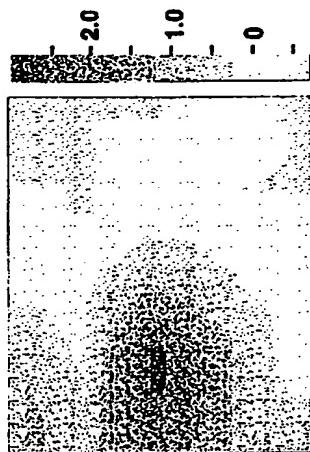


FIG. 10C

0.3 × 750 nm + 830 nm

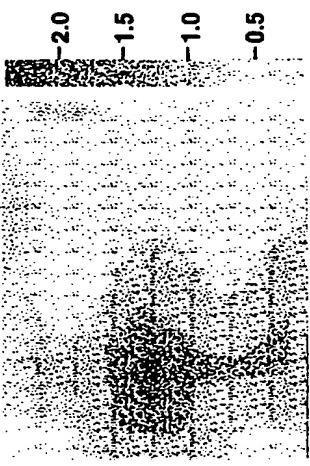


FIG. 10D

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AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST

RIGHT BREAST — LEFT BREAST (ER 11/26/97)

750 nm 830 nm

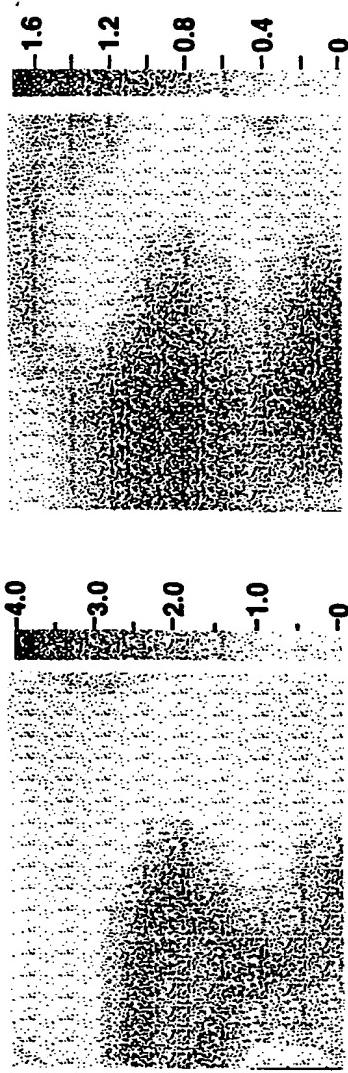


FIG. 11A

FIG. 11B

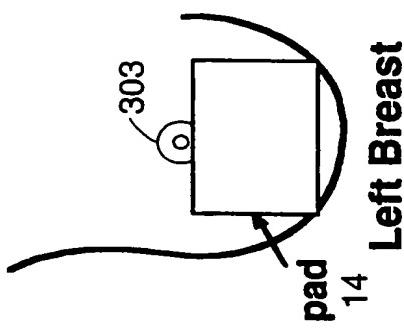
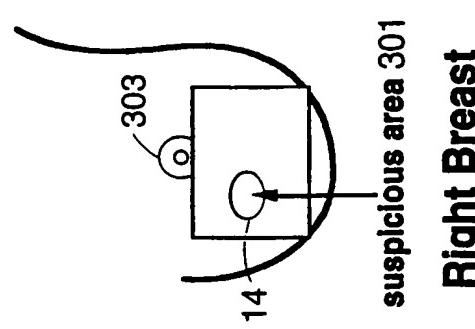
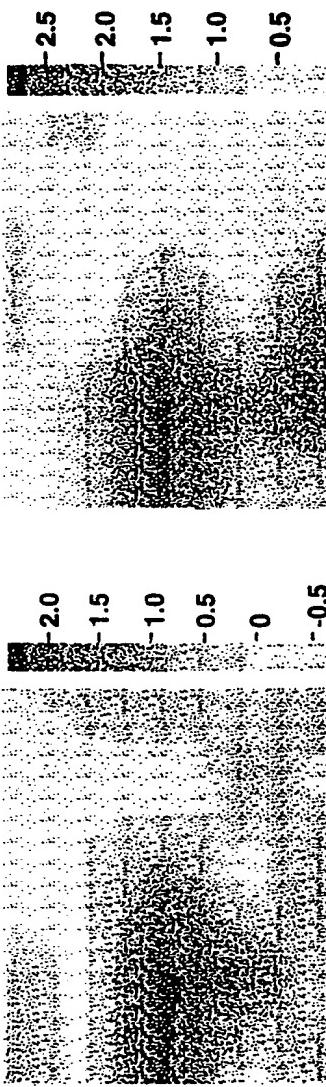


FIG. 11C

0.3 x 750 nm + 830 nm



SNH 35

FIG. 11D

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AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST

LEFT BREAST — RIGHT BREAST (ER 11/26/97)

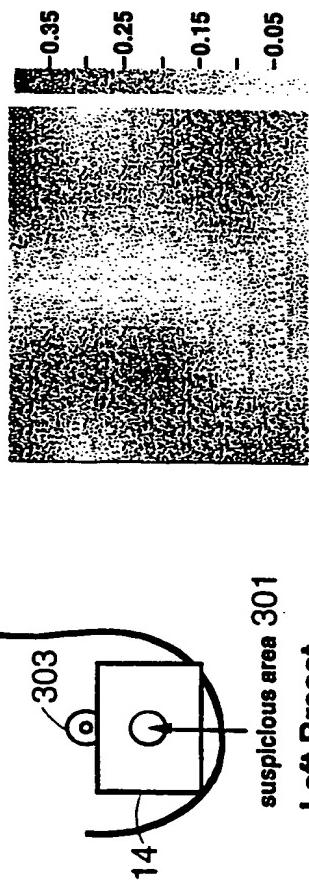
750 nm

FIG. 12A

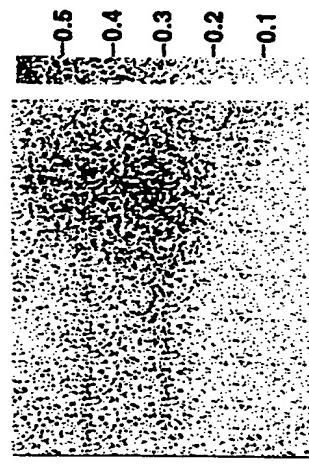


FIG. 12B



FIG. 12C

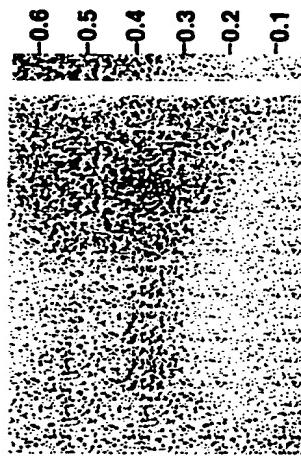


FIG. 12B



FIG. 12D

SNH 27

AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST

RIGHT BREAST — MODER (JR 11/26/97)

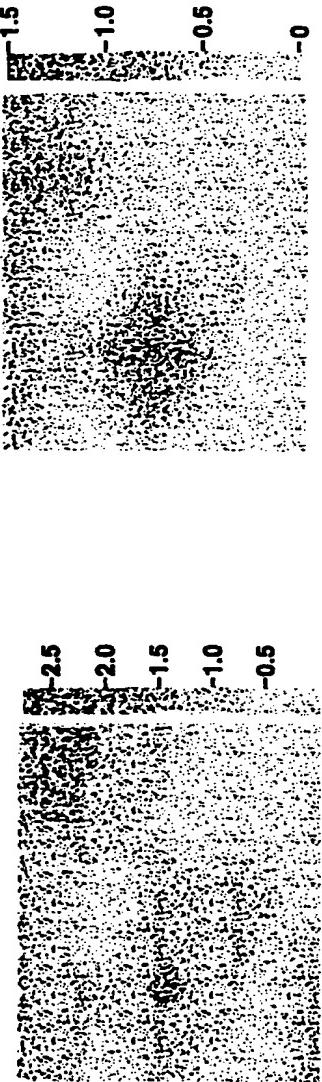
750 nm

FIG. 13A

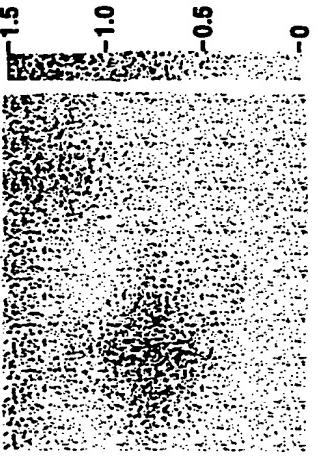
830 nm

FIG. 13B

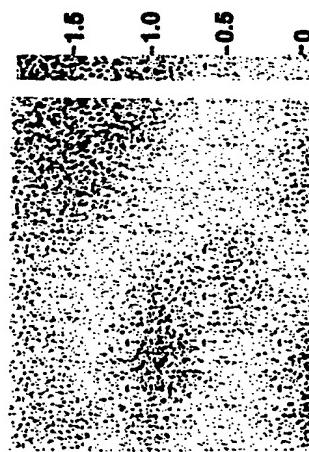
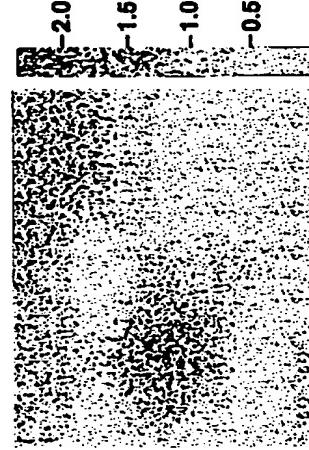
750 nm - 830 nm

FIG. 13C

0.3 × 750 nm + 830 nmFIG. 13D
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**Dual Wavelength NIR Phased Array Imager
2D Vasculogenesis VS Hypermetabolism Imagery
(mammography guidance) (contralateral reference)**

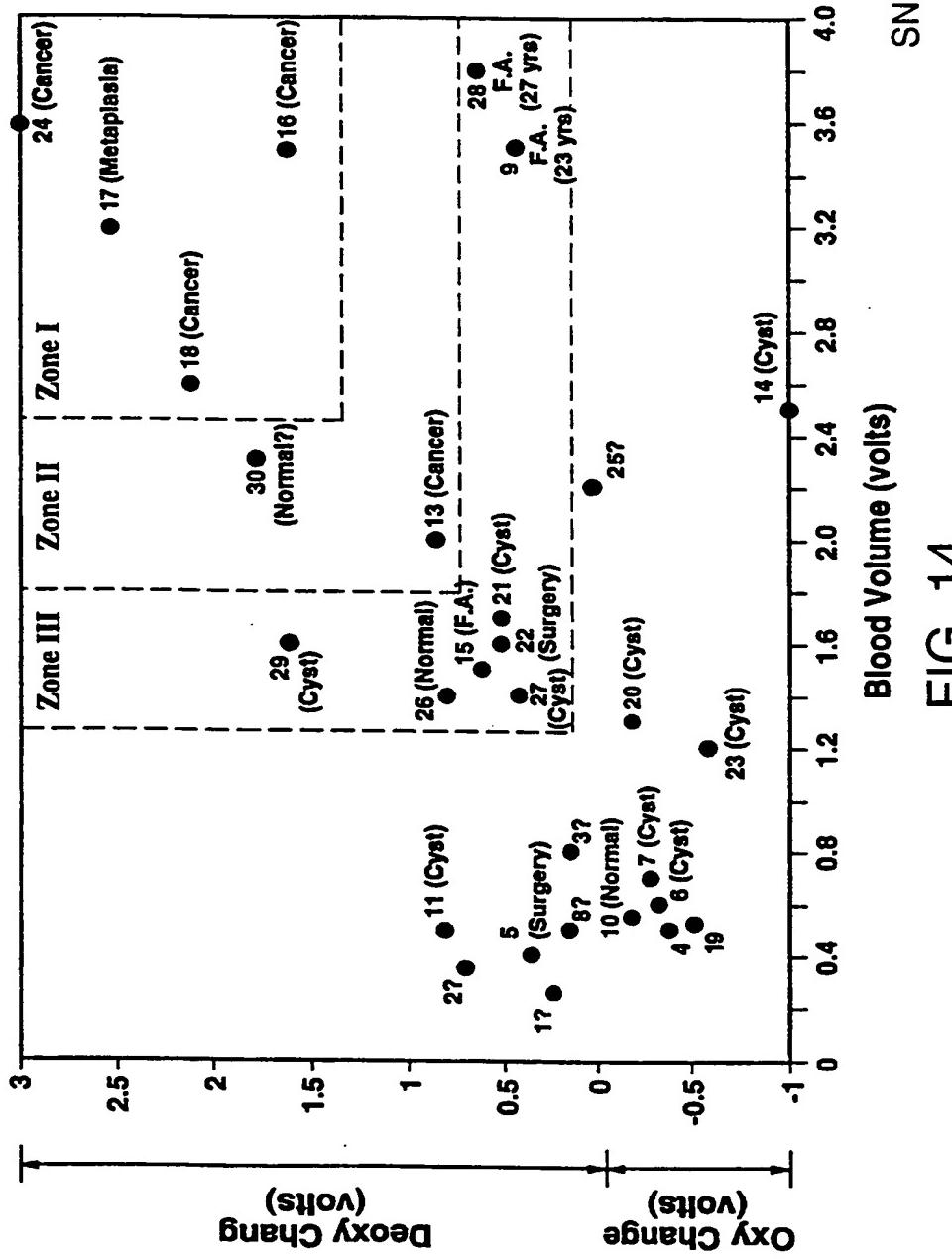


FIG. 14

SNH 37a

Dual Wavelength NIR Phased Array Imager Suspicious Mass Guidance 2D Vasculogenesis VS Hypermetabolism Imager

Dual Wavelength NIR Phased Array Imager Suspicious Mass Guidance 2D Vasculogenesis V/S Hypermetabolism Imager

REFERENCE CONTRALATERAL BREAST

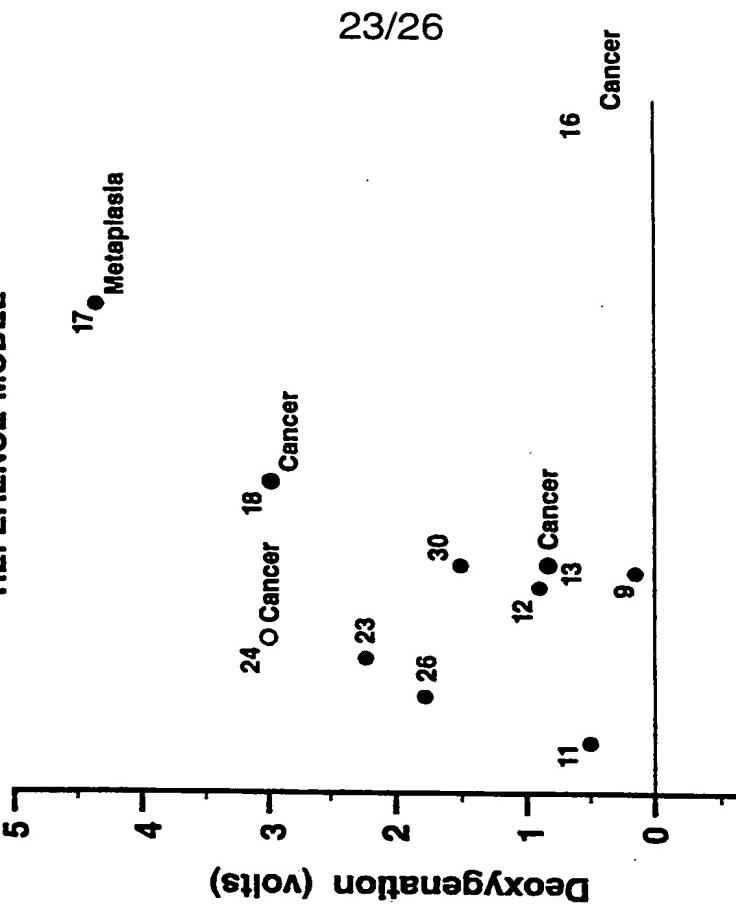
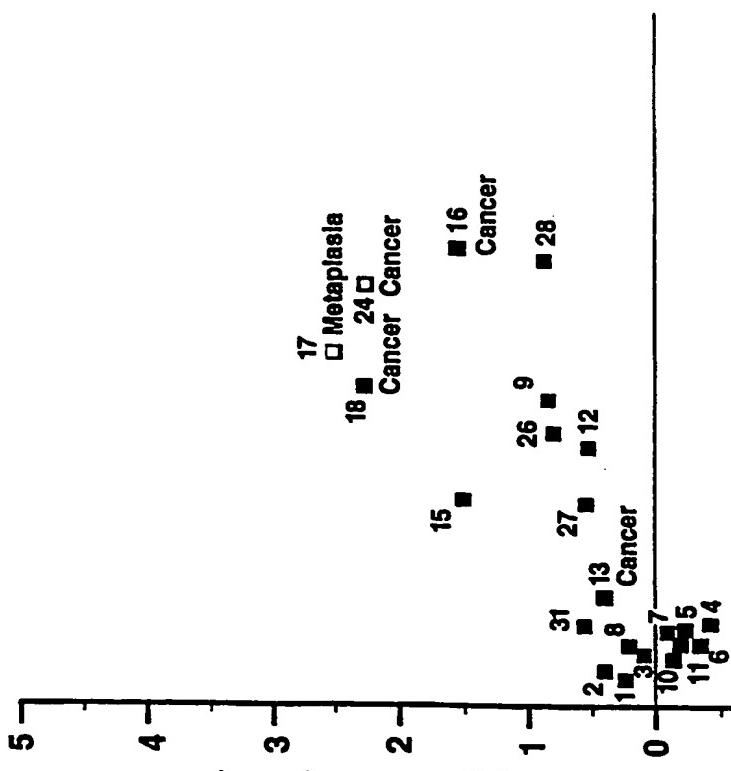


FIG. 15 SNH 37b

FIG. 15A SNH 37C

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**Dual Wavelength NIR Phased Array Imager
Suspicious Mass Guidance
2D Vasculogenesis VS Hypermetabolism Imager
MAMMOGRAPHICALLY GUIDED (all studies)**

FIG. 16A

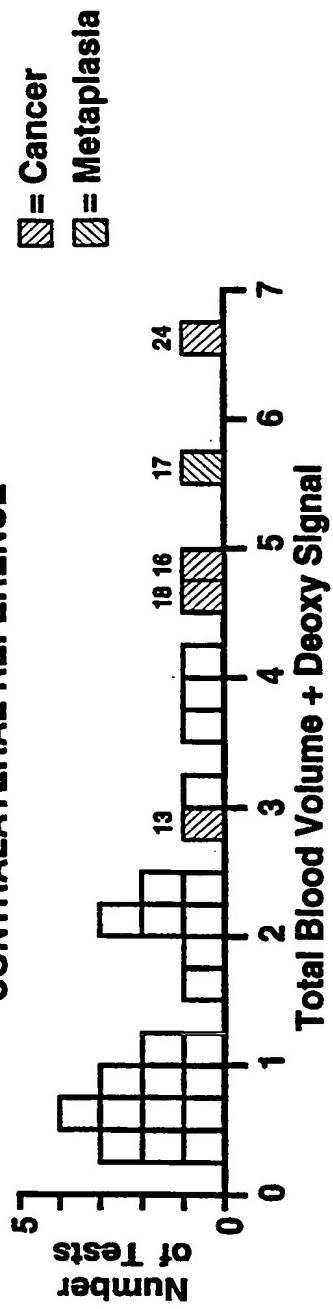
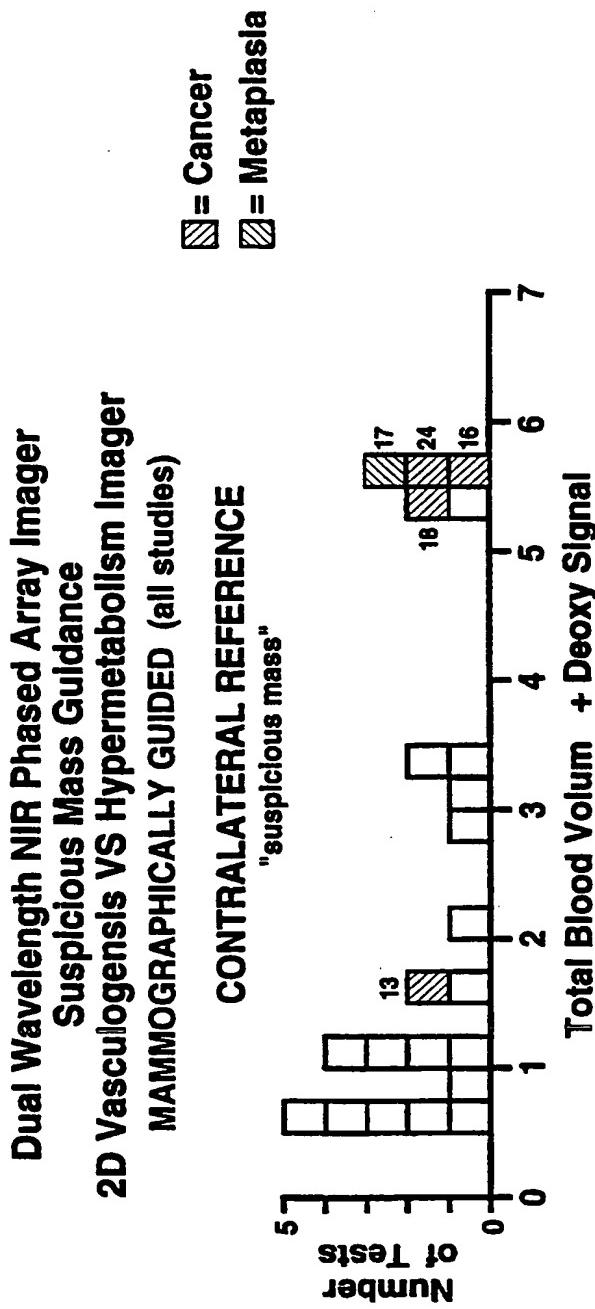


FIG. 16B



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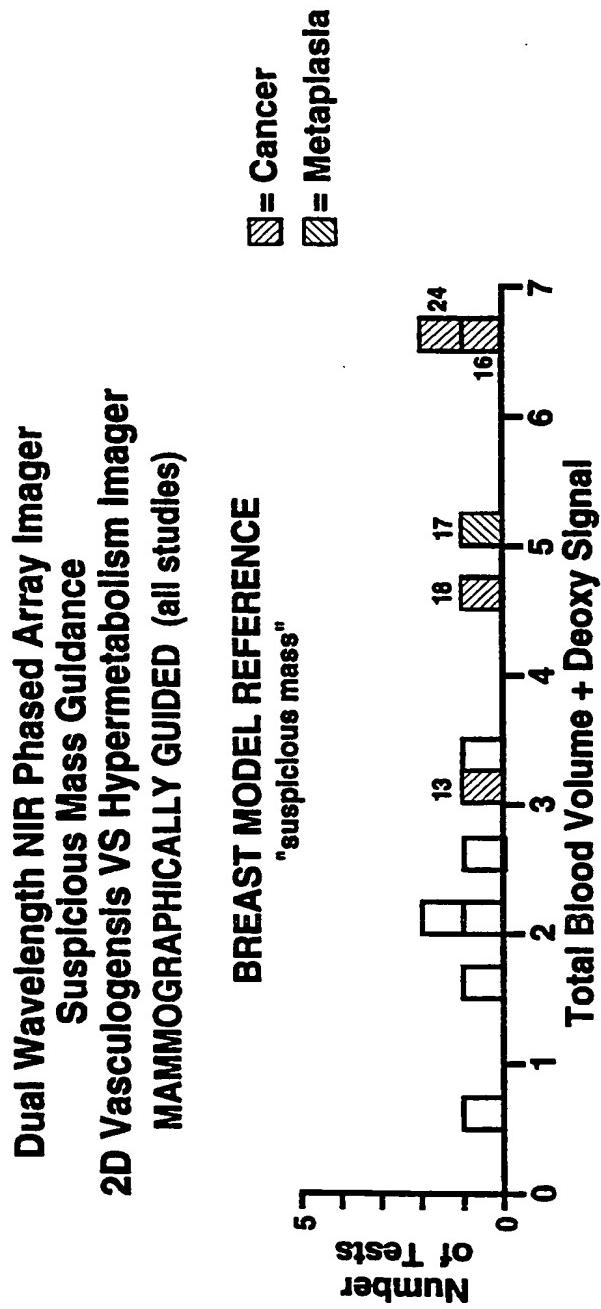


FIG. 16C

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Dual Wavelength NIR Phased Array Imager 2D Vasculogenesis VS Hypermetabolism Imagery (mammography guidance)

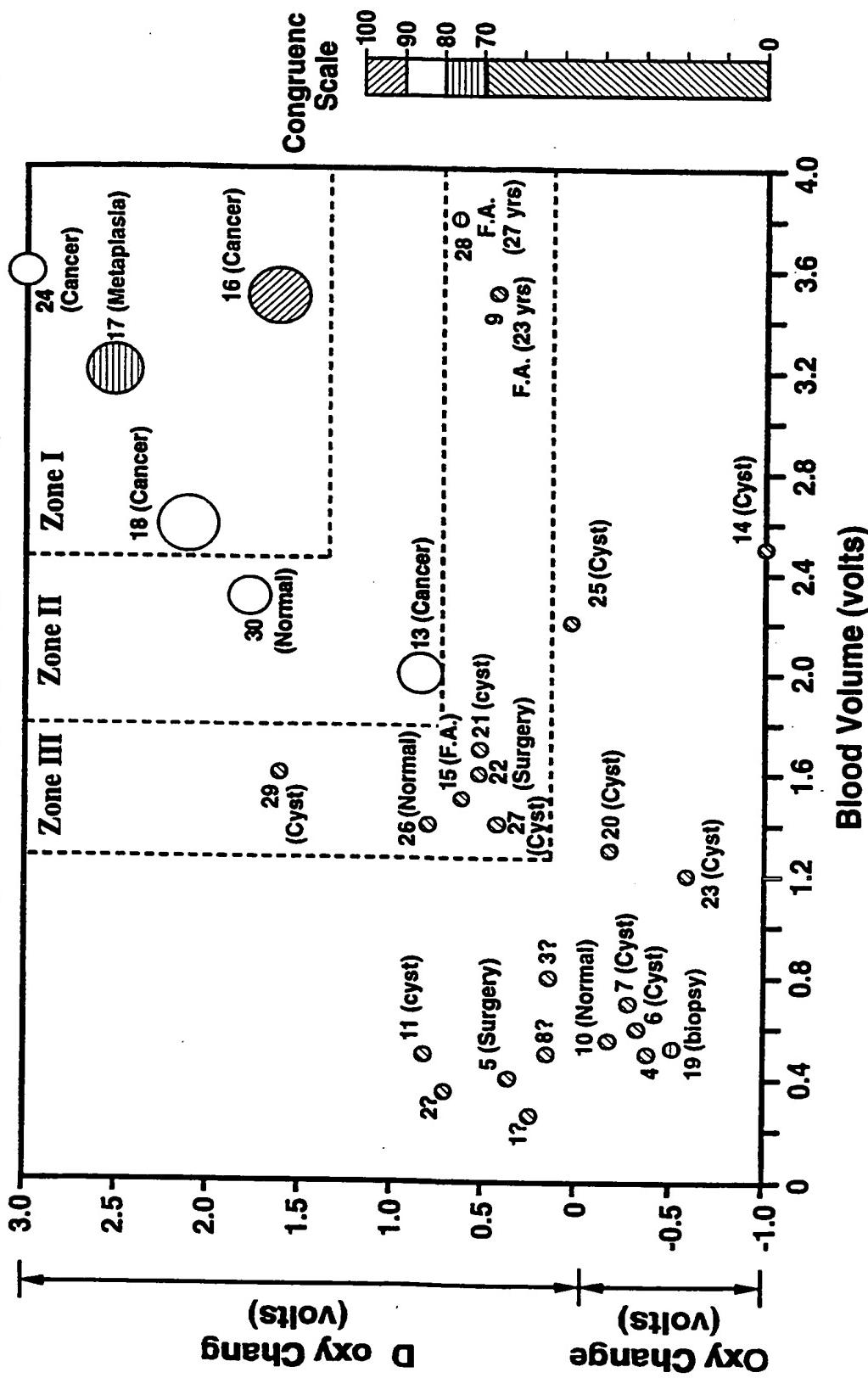


FIG. 17